

comprising a first and second output terminal and the load having an input connector comprising a first and second input terminal, said cable comprising:

5 a first conductor having a first end and a second end, and having an input terminal near said first end suitable for electrically connecting to the first output terminal of the source, and having an output terminal near the second end, suitable for electrically connecting to the first input terminal of the load;

10 a second conductor having a first end and a second end, and having an input terminal near said first end suitable for electrically connecting to the second output terminal of the source, and having an output terminal near said second end suitable for electrically connecting to the second input terminal of the load;

15 an input connector electrically coupled to the input terminals of the first and second conductor, suitable for effecting an electrical connection between the input terminal of the first conductor and the first output terminal of the source and between the input terminal of the second conductor and the second output terminal of the source;

20 an output connector electrically coupled to the output terminals of the first and second conductor, suitable for effecting an electrical connection between the output terminal of the first conductor and the first input terminal of the load and between the output terminal of the second conductor and the second input terminal of the load;

a network comprising:

25 a circuit, said circuit comprising a resistive element electrically coupled in series with a capacitive element, said capacitive element and resistive elements having values such that the phase angle of the circuit is approximately -45 degrees at a selected frequency within the audio frequency range and such that the measured impedance of the network at all frequencies in a predetermined frequency range is equal to or greater than .20 M Ω ,

30 wherein said circuit is electrically coupled between the first conductor and the

second conductor.

2. The cable of claim 1, wherein the first conductor has a phase angle of 45 degrees at a known approximate frequency, and the selected frequency of the circuit
5 is not equal to the known approximate frequency.

3. The cable of claim 1, wherein the first conductor has a phase angle of 45 degrees at a known approximate frequency, and the selected frequency of the circuit
10 is equal to the known approximate frequency.

4. The cable of claim 1, wherein the network further comprises a plurality of circuits each said circuit comprising:

a resistive element electrically coupled in series with a capacitive
element, said capacitive element and resistive element having values
15 such that the phase angle of the circuit is approximately -45 degrees
at a selected frequency within the audio frequency range and such
that the measured impedance of the circuits when connected in
parallel, at all frequencies in the predetermined frequency range, is
equal to or greater than .20 MΩ,

20 wherein each said circuit is electrically coupled between the first conductor and the second conductor.

5. The cable of claim 4, wherein the first conductor has a phase angle of 45 degrees at a known approximate frequency, and the capacitive elements and the
25 resistive elements of each of the plurality of circuits have values such that the selected frequency of each circuit is not equal to the known approximate frequency.

6. The cable of claim 4, wherein the first conductor has a phase angle of 45 degrees at a known approximate frequency, and the selected frequency of at least
30 one of the circuits is equal to the known approximate frequency.

7. The cable of claim 5, wherein the selected frequency of each of the circuits is not equal to the selected frequency of any of the other circuits.

8. The cable of claim 7, wherein the selected frequencies of the plurality of circuits are approximately equally distributed on a logarithmic scale within a selected frequency range, said selected frequency range being in the audio frequency range.

9. The cable of claim 1, wherein the source is an electrical musical instrument.

10. The cable of claim 1, wherein the circuit further comprises an inductive element electrically coupled to the capacitive element such that said inductive element, capacitive element and resistive element are connected in series, said capacitive element, inductive element and resistive element having values such that the phase angle of the circuit is approximately -45 degrees at a selected frequency within the audio frequency range.

11. The cable of claim 10, wherein the first conductor has a phase angle of 45 degrees at a known approximate frequency, and the selected frequency of the circuit is not equal to the known approximate frequency.

12. The cable of claim 10, wherein the first conductor has a phase angle of 45 degrees at a known approximate frequency, and the selected frequency of the circuit is equal to the known approximate frequency.

13. The cable of claim 10, wherein the source is an electrical musical instrument.

14. A method for modifying the audio output of a system comprising a cable, said cable comprising a first conductor and a ground, a source of electrical signals,

and an amplifier, said method comprising the steps of:

determining the approximate frequency at which the phase angle of the first conductor is equal to 45 degrees;

determining the inherent capacitance of the cable;

5 selecting at least one target frequency within the audio frequency range that is not equal to the approximate frequency at which the phase angle of the first conductor is equal to 45 degrees;

selecting a network comprising a resistive element and a capacitive element electrically coupled in series, such that the phase angle of the network is equal to
10 -45 degrees at the target frequency, and the measured impedance of the network at all frequencies in a predetermined frequency range is equal to or greater than .20 M Ω , and the combined capacitance of the capacitive element and the inherent capacitance of the cable is less than 2500 pF;

15 electrically connecting the network between the first conductor and the ground; and

connecting the cable between the source and the amplifier.